

Title (en)  
ANGULAR ANNEALING PROCESS

Title (de)  
WINKELGLÜHVERFAHREN

Title (fr)  
PROCÉDÉ DE RECUIT ANGULAIRE

Publication  
**EP 4281271 A1 20231129 (EN)**

Application  
**EP 21702717 A 20210125**

Priority  
IB 2021050533 W 20210125

Abstract (en)  
[origin: WO2022157549A1] A procedure wherein a tubular high molecular weight polymer film which has been longitudinally stretched and therefore is longitudinally shrinkable, is converted by helical cutting to second polymer film, which then is heated and relaxed in order to partly or totally eliminate the shrinkability, whereby one edge of the helically cut film, inevitably becomes longer than the other edge, referring to a relaxed stated, characterised in that second film is converted to third film by continuously advancing second film in a first direction towards a lineary zone which extends perpendicularly to the edges of the cut film, while heating the film to a temperature lower than but close to its melting range, and in direct succession hereto moving the heated film at velocity (v) in a second direction which forms a small angle (a) to the first direction, the velocity (v) and angle (a) being selected to reduce or totally eliminate the difference between the lengths of the edges.

IPC 8 full level  
**B29C 55/04** (2006.01); **B29C 55/28** (2006.01)

CPC (source: EP KR)  
**B29C 55/045** (2013.01 - EP KR); **B29C 55/28** (2013.01 - EP KR); **B29C 69/001** (2013.01 - KR); **B29C 71/02** (2013.01 - KR); **B29C 2793/00** (2013.01 - EP KR); **B29K 2023/065** (2013.01 - KR); **B29K 2023/12** (2013.01 - KR); **B29K 2995/006** (2013.01 - KR)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022157549 A1 20220728**; AU 2021421870 A1 20230914; CA 3205894 A1 20220728; CN 116802041 A 20230922; EP 4281271 A1 20231129; JP 2024503913 A 20240129; KR 20230134151 A 20230920; MX 2023008740 A 20230801

DOCDB simple family (application)  
**IB 2021050533 W 20210125**; AU 2021421870 A 20210125; CA 3205894 A 20210125; CN 202180091885 A 20210125; EP 21702717 A 20210125; JP 2023544567 A 20210125; KR 20237029036 A 20210125; MX 2023008740 A 20210125